



## **PROCEDURE FOR REMOTE READER WIRING INSTALLATION INFORMATION BULLETIN NO. 148**

**May 1, 2003 (Revised October 1, 2012)**

City Planning and Development – Development Services (CPD-DS)

City of Kansas City, Missouri

[www.kcmo.gov/planning](http://www.kcmo.gov/planning)

The Water Services Department, in conjunction with the Home Builders Association (HBA) and CPD-DS, has announced a new procedure for the installation of the wiring to serve the water meter remote reading device. This procedure will apply to all new residential construction under the scope of the *International Residential Code* (IRC), including one- and two-family dwellings and attached single-family townhouses. This initiative will benefit home builders and homeowners in that it will ensure that the necessary wiring is installed when it can be readily accomplished, prior to any concealment work.

The builder will now be required to provide and install the remote reader wiring from the interior water meter location to the exterior remote reading device location. The Water Service Department will continue to provide and install the water meter and the remote reading device. Sufficient wiring shall be provided to extend a minimum of three feet beyond the anticipated meter set and remote reading device set locations. The wiring shall exit either at the front of the house or on either side of the house as close to the front as possible, and normally at the location of the gas service entrance. The wiring shall be a multi-conductor cable (type CL2) consisting of three, 22 gauge AWG conductors, solid jacket, with conductor insulation colors of red, green and black. The cable shall meet the standards of the Water Service Department.

The installation of the cable will be verified by CPD-DS as an electrical rough-in inspection item. If the full extent of the wiring will remain exposed, this can be deferred to the final inspection. As this installation is not regulated by the building code, a permit is not required, and it is not required that the wire be installed by a licensed electrical contractor.

This new procedure will take effect beginning with building permits issued on May 1, 2003. As May 1 is the beginning of the City's fiscal year, building permits issued under this new procedure will begin with the numbers '2004' or greater.

If you have questions regarding this CPD-DS procedure, please call our Code Question Line at 816-513-1511, or our Inspection Office at 816-513-1500. If you have questions regarding Water Service Department standards, please call 816-513-2174.